
AGENCY OVERVIEW**628 Branch Research Centers**

Date: 12/23/2014**Time:** 13:12:53**Statutory Authority**

North Dakota Century Code Chapter 4-05.1.

Agency Description

Dickinson Research Extension Center (DREC)

The NDSU Dickinson Research Extension Center has an established record of service to the people in the 13-county region south and west of the Missouri River. The DREC operates 4,916 acres of owned land within the region as well as annual land leases needed to accommodate ongoing projects. The land base provides opportunities for a broad perspective in evaluating various agricultural systems that can serve as engines for economic development. This is a continuation of what has taken place for over 100 years. Currently, the DREC assists agricultural producers in solving production problems with agronomy, animal science and range science, while integrating new developments. Five major areas are served: agronomy, beef management, bio-security, range management, and sustainable agricultural practices. Faculty and staff are committed to engaging people of the region and to the identification of current economic opportunities, while sustaining natural resources for future generations as directed by the mission statement and Advisory Board. Research data and producer ideas are continually considered so the DREC can leverage the latest knowledge to best benefit the people of North Dakota.

Central Grasslands Research Extension Center (CGREC)

The CGREC conducts research for the Coteau region of North Dakota, an area bounded by the Missouri River on the west and the James River on the east and extends from Divide and Burke counties in northwestern North Dakota in a southeasterly direction through Dickey County. CGREC is located between two counties which rank in the top 10 counties for the production of livestock and forages. The area served by CGREC contains 5.0 million acres (44 percent) of the state's rangeland where 42 percent of the state's livestock is raised on 38 percent of the state's farms.

Research objectives must increase the range-carrying capacity of native range emphasizing conservation and preservation, stabilize grass production to compensate for the vagaries of the weather and precipitation as it influences forage production in the dryland agriculture, identify the impact of different management systems upon beef production in the central region and explore the increased use of crop residues and byproducts for the maintenance of the cow herd. CGREC's primary focus is management of grassland acreage which occupies about one-third of the agricultural land in the state and aims to improve production and increase returns to cattle producers.

Hettinger Research Extension Center (HREC)

The HREC is a semi-arid site located in southwest North Dakota, providing the most southerly NDSU location in the non-glaciated portion of North Dakota as a site for its agronomy research program. The HREC also is located at the center of the North Dakota sheep industry, the focus of one of its animal research programs, and in an area of rapidly growing livestock feeding ventures, another focus of animal research at the HREC. Additionally, the HREC is located in a region where much of the land base is in the Conservation Reserve Program, which has resulted in additional research evaluating potential changes in the CRP program and how these changes may affect upland native and game bird populations. A new research program evaluating low-cost rangeland monitoring strategies on U.S. Forest Service lands and wildlife/livestock interactions has resulted in a significant increase in the quantity of rangeland research conducted at the HREC throughout the western Dakotas. Research at HREC involves the disciplines of animal science, range science, wildlife science, agronomy, and agri-business and applied economics. Collaboration is with Main Station scientists, Branch Station scientists, U.S. Forest Service, grazing associations, university scientists from WY, SD, and MT, and USDA research entities in these research disciplines to improve productivity of livestock, grazing, and cropping systems, and to improve economic development of the region.

Langdon Research Extension Center (LREC)

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The Langdon Research Extension Center (LREC) is located one mile east of Langdon on US highway five. The agricultural land base at the station consists of 389 owned acres and an additional 320 acres under lease agreement. The LREC serves a nine-county region located in northeast North Dakota and has North Dakota's highest precipitation rates, coolest temperatures, and richest productive soils. The climate creates high levels of diverse crop production and recurring disease problems.

The LREC has a strong tradition of assisting the region's producers to meet agricultural production challenges throughout the course of its existence. In 1993, the LREC redirected much of its research programming to focus on the significant increase of disease and insect pressure associated with its climate. This redirected applied research programming has provided producers with proven cultural practices and advances in chemical applications that minimize disease and insect pressures in all regions of North Dakota.

Since 2001, the LREC has significantly enhanced its overall agricultural research programming with the addition of a crop protection scientist, a director that also serves the region with an emphasis in rural economic/community development, increased foundation seed stocks program and a farm business management instructor. In addition, a full service agricultural based learning center was constructed in 2004 that greatly enhances outreach and extension efforts delivered to the regions agricultural industry. Finally, additional programming has been created that is working to employ LREC resources as an engine for rural community and economic development in partnership with the region's economic developers.

North Central Research Extension Center (NCREC)

The NCREC was established in 1945 and is located one mile south of Minot on Highway 83. The 1,200-acre center specializes in crop research and extension education activities and foundation seed production. Approximately 1,500 owned, rented, and contracted acres are planted for foundation seed production each year. The NCREC evaluates conventional and new crops for production in the region and explores weed management and cropping systems to improve the economic potential of crop production in the north central region. The NCREC is a leader in North Dakota on production and disease research of canola, pea, lentil, and chickpea crops, in addition to the conventional crops of hard red spring and durum wheat, barley, flax, sunflower, and oats. The NCREC works closely with business and economic development leaders in the region to improve the economic vitality of north central North Dakota.

Williston Research Extension Center (WREC)

The Williston Research Extension Center, established in 1907 and relocated to the present site in 1954, is an 800-acre rain-fed farm located in northwest North Dakota near the city of Williston. In 2001, an additional 160 acres were purchased in the Nesson Valley and an irrigated research and development project was established. WREC research studies are conducted on crop variety evaluation, herbicide performance and other cultural management research, cropping systems and soil and water conservation practices. The main dryland crops are spring wheat and durum. Barley, oats, safflower, pea, lentil, chickpea, canola, flax, alfalfa and other alternative crops are also grown as cash crops or for livestock feed.

WREC research is intended to increase the producer's net profit, support crop diversification and encourage more intensive cropping and irrigation development. Research on soil and crop management systems for sprinkler irrigation, on alternative irrigated high value and value-added crops and on western malting barley programs are conducted. WREC also conducts variety development research on safflower, winter wheat, and durum and variety evaluations in cooperation with NDSU Main Station scientists. WREC produces and supplies foundation seed to area farmers of new and old varieties adapted to the region.

Carrington Research Extension Center (CREC)

The Carrington Research Extension Center was established in 1960. CREC operates on a land base of around 1,700 acres and has infrastructure to irrigate about 260 acres with center-pivot systems and 120 acres by surface methods. The balance of the acreage is managed as traditional dryland and is utilized primarily for dryland field crop research activities.

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The research effort at CREC focuses on these general program areas: traditional crop variety evaluation, crop production and management, plant disease management, alternative crop development, cropping systems, irrigation, integration of crop and livestock production, intensive cow/calf production, beef cattle feeding, feedlot management, livestock waste and nutrient management, foundation seedstocks production, and development of new agricultural enterprises. Through these efforts, the CREC research program has gained a national reputation for its involvement in agriculturally-based economic development and study of a wide range of crops and cropping systems.

CREC maintains a strong Extension program as five extension specialists base their educational programming from the center.

Agency Mission Statement

Dickinson Research Extension Center (DREC): The Dickinson Research Center must be located at or near Dickinson in Stark County. The Center shall conduct research on increasing the carrying capacity of native rangeland, with emphasis on conservation and preservation for future generations. The Center shall conduct research on grass production to determine how to best compensate for the vagaries of the weather as it influences forage production in the dry land agriculture of western North Dakota. The Center shall conduct research at the ranch location in Dunn County with beef cattle breeding, feeding, management and disease control for the benefit of livestock producers of western North Dakota and the entire state. The Center shall conduct research designed to increase productivity of all agricultural products of the soil by maintaining or improving the soil resource base in the dry land agricultural region of southwestern North Dakota by the identification of adapted crop species and superior crop cultivars; propagation and distribution of selected seed stock; and development of profitable cropping systems that achieve the necessary balance between profitability and conservation of all natural resources. The Center shall disseminate research results and information for the benefit of this state.

Central Grasslands Research Extension Center (CGREC):

The legislated mission of the CGREC is as follows: "The CGREC shall conduct research designed to fulfill needs within an area bounded by the Missouri River on the west and the James River on the east with research objectives as follows:

1. To increase the range-carrying capacity of native range with emphasis on conservation.
2. Stabilization of grass production to determine how to best compensate for the variability of the weather as it influences forage production.
3. Identification of different management systems on beef production in the central region of the state.
4. Exploration of increased use of crop residues and by-products for the maintenance of the cow herd.
5. To disseminate research results and information for the benefit of the state of North Dakota.

Hettinger Research Extension Center (HREC): The Hettinger Research Extension Center, an outreach of North Dakota State University, provides applied research and education in agriculture and environmental sciences that will enrich the lives of North Dakotans and support economic development.

Langdon Research Extension Center (LREC): The Langdon Research Extension Center will conduct applied agricultural research that enhances the quality of life for the regions citizens with a responsive, flexible and accessible overall agricultural based research program. This programming will combine the concepts of agricultural research, information technology and community/economic development while conserving the regions natural resources.

North Central Research Extension Center (NCREC): The North Central Research Extension Center conducts research to increase agricultural productivity in north central North Dakota. The center serves agricultural producers in a 12- county region surrounding Minot through crop research, foundation seed production and dissemination, and extension education programs in crop and livestock production. Studies at the center focus on crop variety and new germplasm evaluation, weed control, cropping systems, crop pest management, reduced tillage, and soil fertility. Research is conducted on cereal grains, oilseeds, legumes, forages, and new specialty crops.

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Williston Research Extension Center (WREC): The Williston Research Extension Center conducts research to increase agricultural productivity in the semi-arid region for northwestern North Dakota while achieving a necessary balance between profitability and conservation of natural resources. Research on soil and crop management systems for sprinkler irrigation and alternative irrigated high-value/value-added crop production at the Nesson Valley site are conducted in cooperation with the Montana State University Eastern Agricultural Research Center at the USDA-ARS Northern Plains Agricultural Research Laboratory in Sidney, Montana and other cooperating NDSU and University of Minnesota scientists.

Carrington Research Extension Center (CREC): The Carrington Research Extension Center conducts research that will lead to the enhancement of agriculture and improve the quality of life across the central region of North Dakota. Specifically, the Carrington Center conducts research on both dryland and irrigated crop production methods and systems, improved crop cultivars, feeding of beef cattle, cow/calf nutrition, sustainable agricultural production, and produces foundation seedstocks. The objective is to discover the balance between farm enterprise profitability and conservation of the natural resource base. The results of these studies are disseminated to the entire state through an on-going extension educational program.

Agency Performance Measures

Per North Dakota Century Code 4-05.1-19 the State Board of Agricultural Research and Extension (SBARE) presents a status report to the budget section of the legislative council. SBARE's most recent presentation to the budget section was on March 12, 2014. The report they gave and provided in written form included the status of the North Dakota Agricultural Experiment Station and the NDSU Extension Service. A copy of the information is on file in the legislative council office.

Major Accomplishments**Dickinson Research Extension Center (DREC)**

1. Continued work in agronomic, beef and range agricultural practices and developed managerial options reported in the Center's annual report.
2. Prepared to embrace change and the rapid expansion of the energy related business in western ND.
3. Shifted to explore new forage and cattle resources and inputs that shifts from a grain-based beef production model to a grass-based beef production model.
4. Studied various management techniques involving grass cultivars, soil mineral nitrogen, prairie ecosystems, grassland restoration, grazing systems with the integration of beef cattle.
5. Investigated conventional and organic agronomic systems, tillage systems, cropping systems, pest control systems, variety development, cover crops and the integration of beef cattle.

Central Grasslands Research Extension Center (CGREC)

1. Expanded research on control of invasive grass species through grazing to include a soil seed bank study, early intensive grazing study, and study incorporating both grazing and prescribed burning.
2. Continued research projects evaluating a multitude of forage species for use in the northern plains.
3. Continued to expand the animal science program collaborating with projects on reproduction, animal nutrition, and animal health.
4. Continued to develop research in the area of cover crops, evaluating the impacts of plant biomass removal on subsequent soil health parameters.
5. Added new area extension specialist/livestock systems position.

Hettinger Research Extension Center (HREC)

1. Distributed foundation seed produced at NDSU research centers to southwest ND producers.
2. Evaluated new varieties and technologies to grow drought tolerant crops, wheat stem sawfly resistance, and new and emerging bio-fuels.

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3. Conducted multiple land use research evaluating sharp-tailed grouse habitat, cattle grazing systems to complement pheasant habitat concerns, and reclamation of low-quality farmland in the badlands.
4. Collaborated with Sitting Bull College on the Standing Rock Sioux Reservation, USDA-ARS, NDSU, and SDSU on a multi-agency project evaluating the reclamation of lands degraded by prairie dogs.
5. Conducted a nationally recognized sheep research program evaluating alternative technologies for increasing reproductive efficiency in both males and females.

Langdon Research Extension Center (LREC)

1. Continued to build strong research partnerships with agricultural input companies, commodity groups, regional crop improvement associations, growers and others.
2. Produced the highest quality foundation grade seed of the major crops grown in our region.
3. Pursued value-added agricultural opportunities that may lead to new high value cropping system opportunities for producers and economic enhancement for rural communities.
4. Provided dependable support for main station crop breeding programs and other cropping system research programs based at the main station in Fargo at NDSU.
5. Continued to foster and strengthen two new Extension outreach programs in agronomy and soil health that fills a vital educational need for growers in our region.

North Central Research Extension Center (NCREC)

1. Produced, conditioned, and distributed foundation seed of 14 varieties of seven crops grown in the region.
2. Screened and assisted in development of alternative/new crops – carinata, winter canola, energy beets.
3. Reclaimed/re-established flooded pastures, reclaiming wet/saline farmland with cover crops.
4. Researched new crop protection products for eight minor crops grown in ND and researched new products for controlling noxious weeds in non-cropland areas.
5. Conducted residue trials with the USDA IR-4 that lead to registration of new pesticides for controlling weeds, diseases, and insects in minor crops.

Williston Research Extension Center (WREC)

1. Evaluated the performance and adaptation of new and established dryland and irrigated crop cultivars and crop cultural practices to improve productivity of agricultural products.
2. Conducted research and demonstration projects on potatoes, malting barley, safflower, spring wheat, and winter wheat variety developments, safflower disease control, pulse crop production and variety selection, horticultural crops, sprinkler irrigation, water, soil, and crop management.
3. Conducted bioenergy crop research on sugar beets for ethanol and biomass production from switchgrass and other perennial herbaceous crops.
4. Developed and utilized a 160-acre irrigated site in the Nesson Valley for developing improved irrigated cropping systems and best management products.
5. Initiated a new dryland project to develop agricultural cropping systems.

Carrington Research Extension Center (CREC)

1. Expanded soil health and soil fertility research projects.
2. Investigated challenges of managing glyphosate resistant kochia with a series of soybean studies.
3. Improved methods were developed for screening sunflowers for resistance to Sclerotinia head rot.
4. Conducted a project where energy/feed beets were established on a saline soil site to demonstrate a remediation option.
5. Investigated the effects on corn particle size when fed in feedlot diets with decreasing forage levels.

Future Critical Issues**Dickinson Research Extension Center (DREC)**

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- Dust issues in western ND - Dust created by the extensive truck traffic servicing the oil industry in western ND has led to a number of potential cropping and livestock issues. These include, but are not limited to, reduced yields, inability/ unwillingness to harvest hay, and respiratory issues in livestock. The result is that dust is creating an undocumented and potentially negative effect on crop and livestock enterprises. Research to assist livestock and crop producers is necessary to identify ways to document and minimize any adverse effect on the agricultural industry in this region of the state.

Livestock Productivity and Protection - North Dakota livestock producers seek increased demand for meat products nationally and internationally. This demand will require additional emphases on documented beef production systems that capture additional marketing opportunities. To explore and enhance these opportunities, new forage and cattle resources need to be evaluated to meet market specific targets. Both grain-based and forage-based beef production systems need additional evaluation. Through research, we can identify profitable opportunities to improve livestock productivity in North Dakota.

Deferred Maintenance Increase - Deferred maintenance funding continues to be an important issue at the DREC. Updates and repairs to facilities that enhance worker safety and productivity are needed. The DREC, specifically, has maintenance issues with the main public use and cattle working facility at the ranch. The facility needs major roof repair and 1,800 square feet of additional cattle working space.

- The Center would be appreciative of enhancing funding that supports the efforts of SBARE through the North Dakota Agricultural Experiment Station and NDSU

Central Grasslands Research Extension Center (CGREC):

- Laboratory space, in the form of an agronomy lab, is needed to allow scientists the opportunity to expand current research and develop and implement new research projects.
- Current livestock facilities are deficient for a fully implemented animal science program. Improvements to livestock handling and feeding facilities including replicated drylot pens, feed storage, and a new working barn are needed to allow for growth of the animal science research program.
- Technical support is a critical issue. In order to strengthen current research programs, research specialist is needed for the animal science program.
- Significant improvements or replacement of the director's residence is needed as the current residence has water, possible mold, and foundational issues in the basement.
- Other facilities are in need of deferred maintenance funding. Specifically, roofing and windows on the technician residence, as well as updates to many barns and buildings located around the center are needed.

Hettinger Research Extension Center (HREC)

- Extension and Research staffing, both professionals and technical support, for livestock production continue to be a priority to meet the educational and research needs of producers in SW North Dakota. A Livestock Extension Specialist and Research Technician are both needed to meet the livestock needs in SW ND.
- A modern livestock processing and research support facility is needed to conduct the research by our sheep and cattle research programs. The current facility is a 16' x 32' lean-to, with no ability to utilize today's modern technology, such as web access, in our research program.
- A Sheep Feed Efficiency Research Facility for the evaluation of feed efficiency is needed for the sheep producers of ND to remain competitive. The ND Lamb and Wool Producers Association continues to support such a facility at the Hettinger REC.
- Housing of the graduate students and technicians needed for a nationally competitive program continues to be a struggle in western ND. Permanent housing, in a bunkhouse format, is needed to ensure the HREC program can continue to recruit these valuable members of our team on an annual basis.
- Deferred maintenance and safety issues will likely reach \$1,000,000 by the end of the current biennium. Specifically, due to a continued wet cycle and heavier than normal traffic, the road to the office is unstable and needs to be replaced. Additionally, a frontage road is needed to remove the daily use of Highway 12 by our feed-wagon and tractor, which is on the road 8 to 12 times daily during peak usage. Additional needs include mechanical system renovation of the 1992 office, parking lot re-paving, and roofing and carpeting in the current bunkhouse.

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Langdon Research Extension Center (LREC)

- The Langdon REC conducts all of its research and extension programming on 740 acres of crop land. Of this, 390 acres is owned and 350 acres is leased. Langdon has been leasing a 160 acre quarter section of land to be able to conduct research programming for over 30 years. Recently the landowner of this quarter section of land experienced failing health and is preparing to sell the land. The landowner is allowing the state of North Dakota first chance to purchase the land for the Langdon REC's agricultural research programming. Purchasing the land for Langdon's research will provide a solid land base in the future to continue serving the agricultural industry in North Dakota. Losing this land will force Langdon to cut its research programming effort.
- In 1962, a seed cleaning plant was constructed at Langdon to provide local seeds men and producers the ability to purchase and grow the highest quality seed available (foundation grade seed). The regions seeds men and producers have come to depend on this program to supply them with foundation grade seed. Langdon still uses the same facility and equipment that was constructed in 1962. The inefficiencies associated with the plant forces Langdon's seed cleaners to run individual lots of dirty seed through the plant two to five times to achieve foundation grade seed. Because of this and the ability to only clean 20 to 30 bushels of seed per hour, Langdon does not complete its seed cleaning operation until the start of the growing season beyond the prime time for producers to acquire seed. In addition, numerous safety violations have been identified that can only be resolved with a new seed cleaning plant.
- The cost of research equipment is extremely high and getting higher year after year due to the fact there are only a few companies that manufacture this specialized equipment. Three years ago a research plot combine cost approximately \$170,000 and that same combine today is \$250,000 to \$300,000. Repair parts for Langdon's older research equipment is either very hard to find or is not being manufactured anymore. An increase in equipment funding would help to keep equipment up to date and manageable.

North Central Research Extension Center (NCREC)

- A mobile seed conditioning mill adequate to handle peas, lentils, beans, and chickpeas (in addition to small grains and oilseeds) for the expanding pulse industry and NDSU breeding program is needed.
- Base funding for personnel to address the research and extension needs for pulse crops, canola, and cereal grains to meet the needs of growers and the increase of processing plants in the Minot area.
- Technical support
- Increased operational costs
- Equipment replacement
- Removal of old seedhouse
- Tile drain yard
- Encroachment from city of Minot/re-location of center (land and facilities)
- Horticulturist needed to serve growing urban population and projects
- Affordable housing/competitive salaries

Williston Research Extension Center (WREC)

- Pea and lentil acreage has dramatically increased over the past 15 years and there has also been a significant increase in production of other broadleaf alternative crops. The switch from a strict small grain fallow rotation to a more intensive and diversified cropping system has resulted in a reduction of one million summer fallow acres in northwest North Dakota to considerably increase annual return on these acres by 200 million dollars.
- Farmers in the MonDak region grow more than 20 different crops. There is an urgent need for additional technical support for WREC and off-station variety testing in each of the crops in dryland and irrigated cropping systems. There is a critical need for a plant pathologist to evaluate and research crop disease impacts due to the more intensive cropping systems used in Western North Dakota.

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- A new seed plant at the WREC is needed to condition Foundation seed to replace the aging seed conditioning plant built in 1954. Seed conditioning efficiency and worker safety of all crops would be significantly enhanced with a new mobile seed conditioning mill. A modern horizontal seed conditioning plant is also needed to allow gentle handling and seed conditioning of field peas, soybeans, edible beans, and other fragile crops.
- Retention and recruitment of staff is our most critical issue for WREC due to the huge impact of oil and gas development in the Williston area. The energy explosion has significantly increased the cost of living and created a severe housing shortage in the region.
- The Williston area is the fastest growing micropolitan community in the nation with a projected increase in population to 50,000 to 60,000 and a projected increase of 160,000 people in our four county area; there is an increased need for landscape materials and requests for adapted plant species for this climate not only by landscapers, but for homeowners, architects, local nurseries, and gardeners. The collaboration between NDSU researchers and the staff at WREC is becoming even more important for the emerging wine industry, truck farms and Community Supported Agriculture. As is the need for a greenhouse for Horticultural research purposes to expedite growth and assist with acclimation for moving plants outdoors.

Carrington Research Extension Center (CREC)

- A secure (owned or long-term leases) land base is critical to sustain the current and future research mission of the Carrington Center. The diverse and broad based programs of the CREC operate on a relatively small land base. For many years, the Carrington REC has operated on a land base of around 1,700 acres with the state owning around 840 acres. The remaining land base of more than 850 acres must be secured from annual rental agreements with multiple landlords. This heavy reliance upon a willing group of land owners to annually rent a significant portion of the minimum amount of acres the CREC requires is risky at best. If any one parcel of rented land were not made available in a given year, the CREC would be forced to greatly reduce or eliminate program contributions that are depended upon by North Dakota producers and are basic to our department mission.
- A series of primary program facilities are further issues that need to be addressed to sustain the viability of the diverse programs at Carrington. These facilities influence worker safety concerns, program capacity and productivity, and impact operational costs.
- The CREC's foundation seedstocks program is an important part of NDSU's seedstocks program as it produces and processes at least 25 varieties representing 6 to 7 different crops annually. The CREC is consistently challenged to process this diversity of foundation grade seed due to the limitations of the existing facility and other demands on staff during the field season. The CREC seed conditioning plant is in need of replacement since the current facility has very limited capacity and structurally is too small to accommodate needed upgrades in capacity and workplace safety.
- The beef research unit desperately needs a multi-use 'feedlot research support facility'. This facility would expand the scope of research capabilities, assist in sustaining IAUAC compliance, address worker protection challenges, and reduce maintenance costs for equipment. An associated need for this program is an additional set of feedlot pens. Current pens are fully utilized and feedlot research projects are often backlogged. An additional set of pens would allow the CREC to conduct at least one additional experiment per feedout period. Alternatively these pens would allow more treatments or replications within other studies thereby expanding research capacity and quality. Any feedlot pen expansion must include associated waste containment facilities to remain compliant.
- It is important that grant fund opportunities continue to be widely available in future years. Funds that support crop and livestock production or agricultural related issues in general are needed to leverage public funding. The CREC research programs must continue to have a diversity of opportunities to compete for grant funds that when successful allow us to most effectively empower current research programs.
- A new large scale equipment shop is required so that Center staff may perform repair and maintenance on department farm-scale equipment. The existing shop was built in 1960 and is too small to accommodate today's larger scale equipment. Additional equipment storage buildings are needed to store the CREC research and farm-scale equipment from the elements. A significant amount of high cost and highly technical equipment must currently be stored outdoors due to storage space limitations.

REQUEST SUMMARY

628 Branch Research Centers
Biennium: 2015-2017

Bill#: HB1020

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Description	Expenditures 2011-2013 Biennium	Present Budget 2013-2015	Budget Request Change	Requested Budget 2015-2017 Biennium	Optional Budget Request
By Major Program					
Dickinson Research Center	4,686,213	6,208,379	1,177,359	7,385,738	0
Central Grasslands Research Center	2,641,522	3,281,230	332,985	3,614,215	0
Hettinger Research Center	3,720,470	4,727,652	413,321	5,140,973	0
Langdon Research Center	2,273,829	2,873,635	248,045	3,121,680	0
North Central Research Center	3,630,683	4,646,378	455,756	5,102,134	0
Williston Research Center	3,301,589	3,848,619	1,469,466	5,318,085	0
Carrington Research Center	6,969,017	8,015,392	1,454,027	9,469,419	0
Total Major Program	27,223,323	33,601,285	5,550,959	39,152,244	0
By Line Item					
Accrued Leave Payout	0	503,916	(503,916)	0	0
Dickinson Research Center	4,686,213	6,121,371	1,264,367	7,385,738	0
Central Grasslands Research Center	2,641,522	3,229,867	384,348	3,614,215	0
Hettinger Research Center	3,720,470	4,663,479	477,494	5,140,973	0
Langdon Research Center	2,273,829	2,832,495	289,185	3,121,680	0
North Central Research Center	3,630,683	4,586,427	515,707	5,102,134	0
Williston Research Center	3,301,589	3,771,236	1,546,849	5,318,085	0
Carrington Research Center	6,969,017	7,892,494	1,576,925	9,469,419	0
Total Line Items	27,223,323	33,601,285	5,550,959	39,152,244	0
By Funding Source					
General Fund	14,945,208	17,600,202	1,977,192	19,577,394	0
Federal Funds					
Special Funds	12,278,115	16,001,083	3,573,767	19,574,850	0
Total Funding Source	27,223,323	33,601,285	5,550,959	39,152,244	0
Total FTE	103.04	110.94	6.00	116.94	0.00

REQUEST DETAIL

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Biennium: 2015-2017

Bill#: HB1020

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Description	Expenditures 2011-2013 Biennium	Present Budget 2013-2015	Budget Request Change	Requested Budget 2015-2017 Biennium	Optional Budget Request
Accrued Leave Payout					
Salaries - Other	0	503,916	(503,916)	0	0
Total	0	503,916	(503,916)	0	0
Accrued Leave Payout					
General Fund	0	407,680	(407,680)	0	0
Federal Funds	0	0	0	0	0
Special Funds	0	96,236	(96,236)	0	0
Total	0	503,916	(503,916)	0	0
Dickinson Research Center					
Salaries - Permanent	1,716,658	2,019,157	112,671	2,131,828	0
Temporary Salaries	291,751	390,977	296,817	687,794	0
Overtime	47,453	84,193	(84,193)	0	0
Fringe Benefits	676,182	842,291	118,464	960,755	0
Travel	173,210	206,436	6,000	212,436	0
Supplies - IT Software	16,336	14,142	0	14,142	0
Supply/Material-Professional	6,031	2,567	0	2,567	0
Food and Clothing	9,168	10,007	0	10,007	0
Bldg, Ground, Maintenance	132,683	135,663	0	135,663	0
Miscellaneous Supplies	660,416	740,006	39,365	779,371	0
Office Supplies	9,719	13,202	0	13,202	0
Postage	3,343	4,902	0	4,902	0
Printing	12,138	14,676	0	14,676	0
IT Equip Under \$5,000	37,696	7,652	0	7,652	0
Other Equip Under \$5,000	67,762	64,103	0	64,103	0
Utilities	138,004	173,092	0	173,092	0
Insurance	29,138	31,024	0	31,024	0
Rentals/Leases-Equip & Other	26,476	31,424	0	31,424	0
Rentals/Leases - Bldg/Land	6,700	89,742	0	89,742	0
Repairs	96,896	294,049	18,000	312,049	0
IT - Communications	35,527	70,959	0	70,959	0
Professional Development	2,438	3,665	0	3,665	0
Operating Fees and Services	293,331	413,313	32,243	445,556	0
Fees - Professional Services	19,980	38,386	0	38,386	0
Medical, Dental and Optical	2,697	743	0	743	0
Equipment Over \$5000	174,480	425,000	725,000	1,150,000	0
Total	4,686,213	6,121,371	1,264,367	7,385,738	0

Dickinson Research Center

REQUEST DETAIL

628 Branch Research Centers
Biennium: 2015-2017

Bill#: HB1020

Date: 12/23/2014

Time: 13:12:53

Description	Expenditures 2011-2013 Biennium	Present Budget 2013-2015	Budget Request Change	Requested Budget 2015-2017 Biennium	Optional Budget Request
General Fund	3,158,759	3,612,967	443,413	4,056,380	0
Federal Funds	0	0	0	0	0
Special Funds	1,527,454	2,508,404	820,954	3,329,358	0
Total	4,686,213	6,121,371	1,264,367	7,385,738	0

Central Grasslands Research Center

Salaries - Permanent	948,652	952,494	141,486	1,093,980	0
Temporary Salaries	172,423	150,443	17,703	168,146	0
Overtime	96,754	104,268	(104,268)	0	0
Fringe Benefits	406,394	471,725	30,209	501,934	0
Travel	110,557	104,737	6,000	110,737	0
Supplies - IT Software	2,840	1,492	0	1,492	0
Supply/Material-Professional	5,797	6,772	0	6,772	0
Food and Clothing	3,202	1,862	0	1,862	0
Bldg, Ground, Maintenance	104,894	91,545	0	91,545	0
Miscellaneous Supplies	291,263	839,294	6,531	845,825	0
Office Supplies	8,825	3,814	0	3,814	0
Postage	2,191	1,096	0	1,096	0
Printing	6,249	1,630	0	1,630	0
IT Equip Under \$5,000	12,200	7,263	0	7,263	0
Other Equip Under \$5,000	10,904	14,182	0	14,182	0
Utilities	58,860	70,407	0	70,407	0
Insurance	17,928	22,087	0	22,087	0
Rentals/Leases-Equip & Other	19,957	19,236	0	19,236	0
Rentals/Leases - Bldg/Land	885	0	0	0	0
Repairs	41,746	58,313	6,533	64,846	0
IT - Communications	18,337	12,194	0	12,194	0
Operating Fees and Services	72,871	87,061	6,532	93,593	0
Fees - Professional Services	17,300	21,046	0	21,046	0
Other Capital Payments	56,730	56,906	(28)	56,878	0
Equipment Over \$5000	153,763	130,000	273,650	403,650	0
Total	2,641,522	3,229,867	384,348	3,614,215	0

Central Grasslands Research Center

General Fund	1,789,789	1,984,436	271,949	2,256,385	0
Federal Funds	0	0	0	0	0
Special Funds	851,733	1,245,431	112,399	1,357,830	0
Total	2,641,522	3,229,867	384,348	3,614,215	0

Hettinger Research Center

REQUEST DETAIL

628 Branch Research Centers
Biennium: 2015-2017

Bill#: HB1020

Date: 12/23/2014

Time: 13:12:53

Description	Expenditures 2011-2013 Biennium	Present Budget 2013-2015	Budget Request Change	Requested Budget 2015-2017 Biennium	Optional Budget Request
Salaries - Permanent	1,170,364	1,438,158	182,216	1,620,374	0
Temporary Salaries	88,532	137,735	5,985	143,720	0
Overtime	38,579	64,542	19,614	84,156	0
Fringe Benefits	465,813	630,552	75,064	705,616	0
Travel	199,771	110,395	6,000	116,395	0
Supplies - IT Software	2,173	1,812	0	1,812	0
Supply/Material-Professional	5,442	2,388	0	2,388	0
Food and Clothing	8,166	5,003	0	5,003	0
Bldg, Ground, Maintenance	48,978	23,025	0	23,025	0
Miscellaneous Supplies	1,003,689	1,627,868	26,000	1,653,868	0
Office Supplies	1,081	493	0	493	0
Postage	2,247	967	0	967	0
Printing	4,291	2,145	0	2,145	0
IT Equip Under \$5,000	4,505	10,977	0	10,977	0
Other Equip Under \$5,000	22,422	22,632	0	22,632	0
Utilities	54,503	34,040	0	34,040	0
Insurance	17,418	9,386	0	9,386	0
Rentals/Leases-Equip & Other	28,004	20,989	0	20,989	0
Rentals/Leases - Bldg/Land	199,838	115,108	0	115,108	0
Repairs	89,974	48,235	18,000	66,235	0
IT - Communications	16,864	9,430	0	9,430	0
Professional Development	362	400	0	400	0
Operating Fees and Services	117,194	56,269	26,115	82,384	0
Fees - Professional Services	49,575	40,930	0	40,930	0
Land and Buildings	27,488	0	0	0	0
Equipment Over \$5000	53,197	250,000	118,500	368,500	0
Total	3,720,470	4,663,479	477,494	5,140,973	0

Hettinger Research Center

General Fund	1,659,018	2,145,623	286,312	2,431,935	0
Federal Funds	0	0	0	0	0
Special Funds	2,061,452	2,517,856	191,182	2,709,038	0
Total	3,720,470	4,663,479	477,494	5,140,973	0

Langdon Research Center

Salaries - Permanent	824,878	947,167	52,603	999,770	0
Temporary Salaries	61,088	59,944	52,502	112,446	0
Overtime	9,912	11,966	(11,966)	0	0
Fringe Benefits	336,988	424,470	12,621	437,091	0
Travel	47,148	109,133	6,000	115,133	0

REQUEST DETAIL

628 Branch Research Centers
Biennium: 2015-2017

Bill#: HB1020

Date: 12/23/2014

Time: 13:12:53

Description	Expenditures 2011-2013 Biennium	Present Budget 2013-2015	Budget Request Change	Requested Budget 2015-2017 Biennium	Optional Budget Request
Supplies - IT Software	1,711	9,816	0	9,816	0
Supply/Material-Professional	1,754	34,969	0	34,969	0
Food and Clothing	2,218	4,199	0	4,199	0
Bldg, Ground, Maintenance	76,940	115,193	0	115,193	0
Miscellaneous Supplies	164,110	383,696	(34,200)	349,496	0
Office Supplies	3,557	4,749	0	4,749	0
Postage	1,170	1,695	0	1,695	0
Printing	4,134	3,212	0	3,212	0
IT Equip Under \$5,000	12,009	5,863	0	5,863	0
Other Equip Under \$5,000	37,213	78,408	0	78,408	0
Utilities	44,306	99,914	0	99,914	0
Insurance	16,879	49,537	0	49,537	0
Rentals/Leases-Equip & Other	2,390	752	0	752	0
Rentals/Leases - Bldg/Land	63,569	155,282	0	155,282	0
Repairs	79,580	73,996	(34,187)	39,809	0
IT - Communications	29,888	35,916	0	35,916	0
Professional Development	609	1,268	0	1,268	0
Operating Fees and Services	58,596	82,201	(34,188)	48,013	0
Fees - Professional Services	17,924	39,149	0	39,149	0
Equipment Over \$5000	375,258	100,000	280,000	380,000	0
Total	2,273,829	2,832,495	289,185	3,121,680	0

Langdon Research Center

General Fund	1,395,564	1,534,352	258,965	1,793,317	0
Federal Funds	0	0	0	0	0
Special Funds	878,265	1,298,143	30,220	1,328,363	0
Total	2,273,829	2,832,495	289,185	3,121,680	0

North Central Research Center

Salaries - Permanent	1,203,036	1,338,917	73,975	1,412,892	0
Temporary Salaries	222,896	272,945	27,253	300,198	0
Overtime	15,302	9,019	(9,019)	0	0
Fringe Benefits	478,910	538,931	35,187	574,118	0
Travel	148,789	133,878	6,000	139,878	0
Supplies - IT Software	7,768	6,937	0	6,937	0
Supply/Material-Professional	13,462	12,755	0	12,755	0
Food and Clothing	4,270	7,853	0	7,853	0
Bldg, Ground, Maintenance	71,842	138,860	0	138,860	0
Miscellaneous Supplies	610,839	884,104	69,120	953,224	0
Office Supplies	4,309	4,173	0	4,173	0

REQUEST DETAIL

628 Branch Research Centers
Biennium: 2015-2017

Bill#: HB1020

Date: 12/23/2014

Time: 13:12:53

Description	Expenditures 2011-2013 Biennium	Present Budget 2013-2015	Budget Request Change	Requested Budget 2015-2017 Biennium	Optional Budget Request
Printing	5,974	5,103	0	5,103	0
IT Equip Under \$5,000	7,442	26,041	0	26,041	0
Other Equip Under \$5,000	46,583	0	0	0	0
Utilities	98,819	127,114	0	127,114	0
Insurance	46,552	46,728	0	46,728	0
Rentals/Leases-Equip & Other	8,198	19,871	0	19,871	0
Rentals/Leases - Bldg/Land	36,541	121,755	0	121,755	0
Repairs	89,403	173,570	69,118	242,688	0
IT - Communications	23,697	18,454	0	18,454	0
Professional Development	1,779	1,396	0	1,396	0
Operating Fees and Services	158,808	121,256	69,118	190,374	0
Fees - Professional Services	5,304	9,044	0	9,044	0
Other Capital Payments	92,436	92,723	(45)	92,678	0
Equipment Over \$5000	227,724	475,000	175,000	650,000	0
Total	3,630,683	4,586,427	515,707	5,102,134	0

North Central Research Center

General Fund	1,670,255	1,971,200	149,168	2,120,368	0
Federal Funds	0	0	0	0	0
Special Funds	1,960,428	2,615,227	366,539	2,981,766	0
Total	3,630,683	4,586,427	515,707	5,102,134	0

Williston Research Center

Salaries - Permanent	1,173,828	1,609,567	624,721	2,234,288	0
Temporary Salaries	145,367	231,408	40,164	271,572	0
Overtime	9,765	60,807	(44,007)	16,800	0
Fringe Benefits	459,452	700,402	200,195	900,597	0
Travel	139,619	134,473	6,000	140,473	0
Supplies - IT Software	16,237	1,205	0	1,205	0
Supply/Material-Professional	15,796	13,722	0	13,722	0
Food and Clothing	5,583	3,719	0	3,719	0
Bldg, Ground, Maintenance	247,562	148,561	0	148,561	0
Miscellaneous Supplies	313,286	218,479	(22,741)	195,738	0
Office Supplies	13,757	3,691	0	3,691	0
Postage	527	2,858	0	2,858	0
Printing	4,476	2,474	0	2,474	0
IT Equip Under \$5,000	29,718	2,273	0	2,273	0
Other Equip Under \$5,000	21,608	30,634	0	30,634	0
Utilities	96,240	83,455	0	83,455	0
Insurance	40,882	28,819	0	28,819	0

REQUEST DETAIL

628 Branch Research Centers
Biennium: 2015-2017

Bill#: HB1020

Date: 12/23/2014

Time: 13:12:53

Description	Expenditures 2011-2013 Biennium	Present Budget 2013-2015	Budget Request Change	Requested Budget 2015-2017 Biennium	Optional Budget Request
Rentals/Leases-Equip & Other	5,021	2,771	0	2,771	0
Rentals/Leases - Bldg/Land	30,637	99,899	0	99,899	0
Repairs	54,811	110,291	(22,741)	87,550	0
IT - Communications	28,644	27,966	0	27,966	0
Professional Development	2,265	929	0	929	0
Operating Fees and Services	96,104	41,872	(22,742)	19,130	0
Fees - Professional Services	96,751	60,855	0	60,855	0
Medical, Dental and Optical	1,141	106	0	106	0
Equipment Over \$5000	252,512	150,000	788,000	938,000	0
Total	3,301,589	3,771,236	1,546,849	5,318,085	0

Williston Research Center

General Fund	2,358,157	2,420,378	621,611	3,041,989	0
Federal Funds	0	0	0	0	0
Special Funds	943,432	1,350,858	925,238	2,276,096	0
Total	3,301,589	3,771,236	1,546,849	5,318,085	0

Carrington Research Center

Salaries - Permanent	2,359,199	2,481,718	629,770	3,111,488	0
Temporary Salaries	322,559	375,273	(307,719)	67,554	0
Overtime	202,345	159,061	(159,061)	0	0
Fringe Benefits	1,024,764	1,139,034	298,025	1,437,059	0
Travel	268,155	272,120	6,000	278,120	0
Supplies - IT Software	8,605	2,708	0	2,708	0
Supply/Material-Professional	141,445	241,608	0	241,608	0
Food and Clothing	10,335	16,233	0	16,233	0
Bldg, Ground, Maintenance	225,810	251,608	0	251,608	0
Miscellaneous Supplies	832,221	953,543	(176,630)	776,913	0
Office Supplies	15,633	14,018	0	14,018	0
Postage	2,977	6,792	0	6,792	0
Printing	15,055	10,442	0	10,442	0
IT Equip Under \$5,000	11,560	23,239	0	23,239	0
Other Equip Under \$5,000	112,774	79,985	0	79,985	0
Utilities	124,178	190,100	0	190,100	0
Insurance	53,666	72,358	0	72,358	0
Rentals/Leases-Equip & Other	95,582	98,034	0	98,034	0
Rentals/Leases - Bldg/Land	163,836	175,994	0	175,994	0
Repairs	432,621	488,210	73,370	561,580	0
IT - Communications	31,002	49,990	0	49,990	0
Professional Development	1,005	38,841	0	38,841	0

REQUEST DETAIL**628 Branch Research Centers**
Biennium: 2015-2017**Bill#: HB1020****Date:** 12/23/2014**Time:** 13:12:53

Description	Expenditures 2011-2013 Biennium	Present Budget 2013-2015	Budget Request Change	Requested Budget 2015-2017 Biennium	Optional Budget Request
Operating Fees and Services	14,175	50,383	(26,630)	23,753	0
Fees - Professional Services	159,245	170,402	0	170,402	0
Medical, Dental and Optical	533	5,800	0	5,800	0
Equipment Over \$5000	339,737	525,000	1,239,800	1,764,800	0
Total	6,969,017	7,892,494	1,576,925	9,469,419	0
Carrington Research Center					
General Fund	2,913,666	3,523,566	353,454	3,877,020	0
Federal Funds	0	0	0	0	0
Special Funds	4,055,351	4,368,928	1,223,471	5,592,399	0
Total	6,969,017	7,892,494	1,576,925	9,469,419	0
Funding Sources					
General Fund	14,945,208	17,600,202	1,977,192	19,577,394	0
Federal Funds	0	0	0	0	0
Special Funds	12,278,115	16,001,083	3,573,767	19,574,850	0
Total Funding Sources	27,223,323	33,601,285	5,550,959	39,152,244	0

CHANGE PACKAGE SUMMARY

628 Branch Research Centers

Bill#: HB1020

Date: 12/23/2014

Biennium: 2015-2017

Time: 13:12:53

Description	Priority	FTE	General Fund	Federal Funds	Special Funds	Total Funds
<u>Base Budget Changes</u>						
Ongoing Budget Changes						
A-A 1 SBARE Priorities		6.00	1,820,000	0	0	1,820,000
A-A 3 Base Funding for Equipment over \$5,000		0.00	500,000	0	4,604,950	5,104,950
A-A 4 Other Revenue Change		0.00	57,986	0	(350,000)	(292,014)
A-A 5 Capital Bond Payments		0.00	149,556	0	0	149,556
A-F 3 Remove Base Funding Equip over \$5,000		0.00	(500,000)	0	(1,555,000)	(2,055,000)
A-F 4 Remove Funding Cap Bond Pmts		0.00	(149,629)	0	0	(149,629)
Base Payroll Change		0.00	99,279	0	873,817	973,096
Total Ongoing Budget Changes		6.00	1,977,192	0	3,573,767	5,550,959
Total Base Budget Changes		6.00	1,977,192	0	3,573,767	5,550,959

BUDGET CHANGES NARRATIVE

628 Branch Research Centers

Bill#: HB1020

Date: 12/23/2014

Time: 13:12:53

Change Group: A	Change Type: A	Change No: 1	Priority:
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SBARE Priorities

A base increase of **\$1,820,000** for Branch REC's would provide funds to address the following priorities of the State Board of Agricultural Research and Education and related needs of North Dakota agriculture. **(For each of the Branch REC's, please provide a detailed description and amount of each of the priorities, in priority order, including number of new fte's and dollar amounts.)**

Dickinson -- \$470,000

SBARE #3, revolving equipment increase, \$150,000

SBARE#5, Enhancing research capacity at RECs: 1.0 FTE Dust issues in western ND technical support (\$130,000) and 1.0 FTE Livestock Productivity and Protection technical support (\$130,000); operating support \$60,000

Central Grasslands -- \$85,000

SBARE #3, revolving equipment increase, \$25,000

SBARE #5, Enhancing research capacity at RECs operating support \$60,000

Hettinger -- \$340,000

SBARE #3, revolving equipment increase, \$150,000

SBARE#5, Enhancing research capacity at RECs: 1.0 FTE Animal Science technical support (\$130,000); operating support \$60,000

Langdon -- \$85,000

SBARE #3, revolving equipment increase, \$25,000

SBARE #5, Enhancing research capacity at RECs operating support \$60,000

North Central -- \$210,000

SBARE #3, revolving equipment increase, \$150,000

SBARE #5, Enhancing research capacity at RECs operating support \$60,000

Williston -- \$415,000

SBARE #3, revolving equipment increase, \$25,000

SBARE#5, Enhancing research capacity at RECs: 1.0 FTE Plant Pathologist (200,000) and 1.0 FTE technical support (\$130,000); operating support \$60,000

BUDGET CHANGES NARRATIVE**628 Branch Research Centers****Bill#: HB1020****Date:** 12/23/2014**Time:** 13:12:53Carrington -- \$215,000

SBARE #3, revolving equipment increase, \$25,000

SBARE#5, Enhancing research capacity at RECs: 1.0 FTE Livestock Productivity and Protection technical support (\$130,000); operating support \$60,000

Change Group: A	Change Type: A	Change No: 3	Priority:
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Base Funding for Equipment over \$5,000

Change code AA3 includes \$5,104,950 (\$500,000 GF and \$4,604,950 SF) for 2015-17 base funding for equipment > \$5,000. In addition, change code AA1 includes a request for a GF base increase of \$550,000 for the revolving equipment fund, over the 2013-15 GF base of \$500,000. Total 2015-17 request for equipment > \$5,000 is \$5,654,950 (\$1,050,000 GF and \$4,604,950 SF). Equipment > \$5,000 for 2013-15 were removed with change code AF3.

Change Group: A	Change Type: A	Change No: 4	Priority:
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Other Revenue Change

Increase or (decrease) in other revenue.

Overall changes for Branch Recs:

Dickinson 35,608

Central Grasslands (34,404)

Hettinger 16,115

Langdon (156,575)

North Central 153,356

Williston (122,224)

Carrington (183,890)

Change Group: A	Change Type: A	Change No: 5	Priority:
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Capital Bond Payments

This request is based on 2015-17 estimates provided by the Industrial Commission for state general fund obligation bonds issued through the Industrial Commission: Central Grasslands REC **\$56,878** and North Central REC **\$92,678**. The 2013-15 appropriation for bond payments was removed in change code **AF4**.

Change Group: A	Change Type: E	Change No: 1	Priority:
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BUDGET CHANGES NARRATIVE**628 Branch Research Centers****Bill#: HB1020****Date:** 12/23/2014**Time:** 13:12:53

Remove 2013-15 One Time Funding

Change Group: A	Change Type: F	Change No: 3	Priority:
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Remove Base Funding Equip over \$5,000

To remove **\$2,055,000** base funding for equipment > \$5,000 for 2013-2015. Equipment requests for 2015-2017 are reflected in **change code AA3**.

Change Group: A	Change Type: F	Change No: 4	Priority:
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Remove Funding Cap Bond Pmts

To remove 2013-15 bond payments for state general fund obligation bonds issued through the Industrial Commission at Central Grasslands REC **\$56,906** and North Central REC **\$92,723**. The 2015-17 bond payments are added in change code **AA5**.

Change Group: R	Change Type: A	Change No: 1	Priority:
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Reduce SBARE Initiative to Recommended level

This change package adjusts funding for SBARE initiatives in change package AA1 to the Executive Recommendation:

Enhancing Research Infrastructure

- \$550,000 increase in equipment. This will make it so that each research center will receive \$150,000 for equipment each biennium rather than rotating across bienniums.

Enhancing Research Capacity at the REC's

- Adds \$130,000 from the general fund and 1.00 FTE for a technical support staff in Dickinson to research the dust issues in western North Dakota.
- Provides \$130,000 from the general fund and 1.00 FTE for an animal science technical support staff in Hettinger. Currently, the director serves as the only animal scientist at the center.
- Provides \$330,000 from the general fund and 2.00 FTE for a plant pathologist and technical support at Williston to evaluate and research crop diseases.
- Did not fund \$260,000 and 2.00 FTE for livestock productivity and protection.
- Approves \$210,000 from the general fund, or \$30,000 at each of the research extension centers, for added operational support. This is \$210,000 less than what was requested.